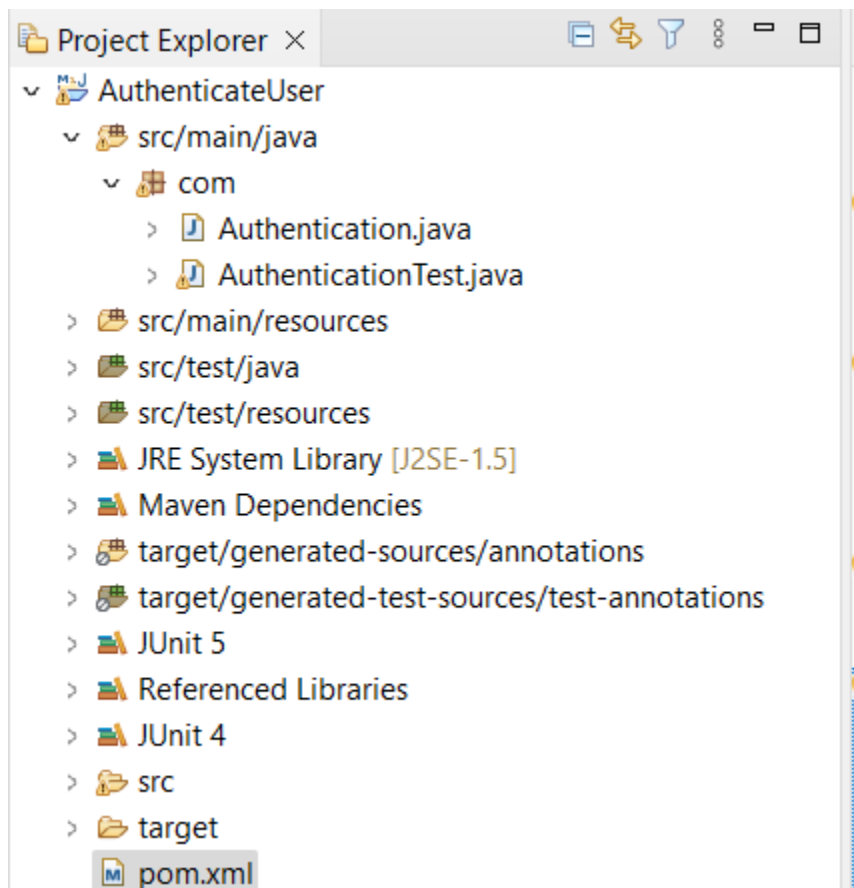


Practice Question Handling User Authentication

Step by Step Documentation

1. Create a Auth class to match the username and password
2. Create aAuth test class and run the test class with junit .
3. Run the Junit right click on project **AuthenticateUser**->**runas**->**JunitTest**

Output



```
25
26 @Test
27 public boolean testIsValidUser_ValidUser_ReturnsTrue() {
28     // Act
29     boolean result = authentication.isValidUser("username", "password");
30     return result;

```

inished after 0.117 seconds

Runs: 3/3 Errors: 0 Failures: 0

com.AuthenticationTest [Runner: JUnit 4] (0.000 s)

- JUnit Jupiter (0.000 s)
 - AuthenticationTest (0.000 s)
 - Asserttests() (0.000 s)
- JUnit Platform Suite (0.000 s)
- JUnit Vintage (0.000 s)

Failure Trace

Writable Smart Insert 20:1:468

```
48 @Test
49 public void Asserttests() {
50     String usernameactual="username2";
51     String usernameexpected="username";
52     assertEquals(usernameactual,usernameexpected);
53 }
54 }
55 }
56

```

inished after 0.171 seconds

Runs: 3/3 Errors: 0 Failures: 1

com.AuthenticationTest [Runner: JUnit 4] (0.039 s)

- JUnit Jupiter (0.031 s)
 - AuthenticationTest (0.031 s)
 - Asserttests() (0.031 s)
- JUnit Platform Suite (0.001 s)
- JUnit Vintage (0.001 s)

Failure Trace

- org.opentest4j.AssertionFailedError: expected: <username2> but was: <username>
- at com.AuthenticationTest.Asserttests(AuthenticationTest.java:52)
- at java.base/java.util.ArrayList.forEach(ArrayList.java:1511)
- at java.base/java.util.ArrayList.forEach(ArrayList.java:1511)